#### Small Business Innovation Research/Small Business Tech Transfer

# Room Temperature Electrolyzers For Oxygen Generation On Mars, Phase I



Completed Technology Project (2015 - 2015)

### **Project Introduction**

The objective of this proposal is to adapt Dioxide Materials' CO2 electrolyzers now being developed under ARPA-E support for NASA missions.

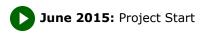
## **Primary U.S. Work Locations and Key Partners**



Organizations Performing Work	Role	Туре	Location
Dioxide Materials,	Lead	Industry	Boca Raton,
Inc.	Organization		Florida
Glenn Research Center(GRC)	Supporting	NASA	Cleveland,
	Organization	Center	Ohio

Primary U.S. Work Locations	
Florida	Ohio

## **Project Transitions**





Room Temperature Electrolyzers For Oxygen Generation On Mars, Phase I

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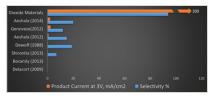
December 2015: Closed out

**Closeout Summary:** Room Temperature Electrolyzers For Oxygen Generation On Mars, Phase I Project Image

#### **Closeout Documentation:**

• Final Summary Chart Image(https://techport.nasa.gov/file/139300)

#### **Images**



#### **Briefing Chart Image**

Room Temperature Electrolyzers For Oxygen Generation On Mars, Phase I (https://techport.nasa.gov/imag e/133951)

# Organizational Responsibility

# Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

#### **Lead Organization:**

Dioxide Materials, Inc.

#### **Responsible Program:**

Small Business Innovation Research/Small Business Tech Transfer

# **Project Management**

#### **Program Director:**

Jason L Kessler

## Program Manager:

Carlos Torrez

#### **Principal Investigator:**

Rich Masel

#### **Co-Investigator:**

Rich Masel

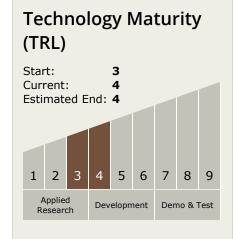


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# **Technology Areas**

#### **Primary:**

- TX03 Aerospace Power and Energy Storage
  - └─ TX03.2 Energy Storage
    └─ TX03.2.3 Advanced
    Concepts for Energy

Storage

